

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03M1/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 344 816 B1 (DEDIC IAN JUSO) 5 February 2002 (2002-02-05) cited in the application column 13, lines 46-52; figures 1,7,8 -----	1-9
A	US 6 104 330 A (REDMAN-WHITE WILLIAM ET AL) 15 August 2000 (2000-08-15) cited in the application abstract; figure 4 -----	1-9
A	US 5 689 258 A (NAKAMURA YASUYUKI ET AL) 18 November 1997 (1997-11-18) abstract; figure 9 ----- -/-	1-9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

23 September 2004

Date of mailing of the international search report

04/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	YASUYUKI NAKAMURA: "A 10-B 70-MS/S CMOS D/A CONVERTER" IEEE JOURNAL OF SOLID-STATE CIRCUITS, IEEE INC. NEW YORK, US, vol. 26, no. 4, 1 April 1991 (1991-04-01), pages 637-642, XP000216739 ISSN: 0018-9200 page 637, right-hand column; figures 2,3 -----	1-9
A	EP 0 898 374 A (HARRIS CORP) 24 February 1999 (1999-02-24) abstract; figure 2 -----	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

'IB2004/050997

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6344816	B1	05-02-2002	GB 2356750 A	30-05-2001
			DE 10050620 A1	07-06-2001
			JP 3450811 B2	29-09-2003
			JP 2001156636 A	08-06-2001
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			DE 69816937 T2	17-06-2004
			EP 0914717 A2	12-05-1999
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US 5689258	A	18-11-1997	JP 8149011 A	07-06-1996
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			EP 0898374 A2	24-02-1999
			JP 11163728 A	18-06-1999